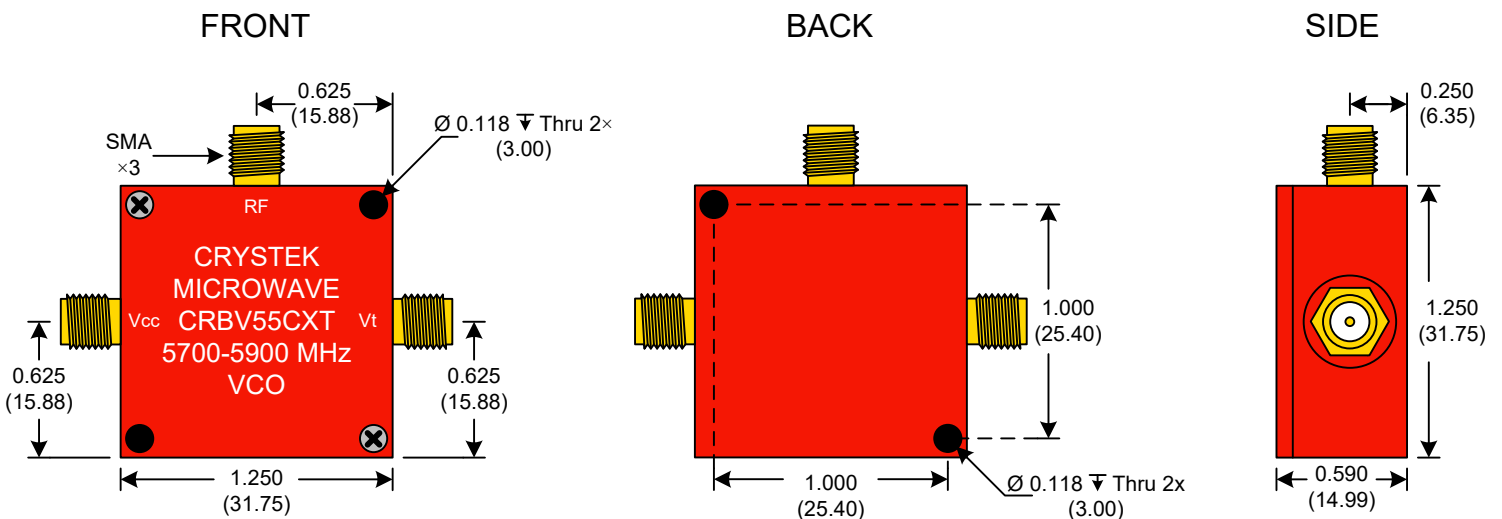




**RedBox** CRO  
 Coaxial Resonator Oscillator  
 Frequency Doubling, 2×Fundamental  
 CRBV55CXT-5700-5900

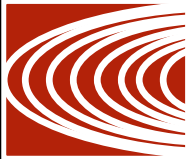


PERFORMANCE SPECIFICATION	MIN	TYP	MAX	UNITS
Lower Frequency:			5700	MHz
Upper Frequency:	5900			MHz
Tuning Voltage:	0		5.0	VDC
Supply Voltage:	4.75	5.0	5.25	VDC
Output Power:	-2.0	1.0	+4.0	dBm
Supply Current:		25	35	mA
Harmonic, F×(0.5):		-30	-25	dBc
Harmonic, F×(1.5):		-35	-30	dBc
Harmonic, F×(2.0):		-30	-25	dBc
Pushing:		1.5	3.0	MHz/V
Pulling, all Phases:		1.5	3.0	MHz pk-pk
Tuning Sensitivity:		60		MHz/V
Phase Noise @ 10kHz offset:		-100	-95	dBc/Hz
Phase Noise @ 100kHz offset:		-122	-118	dBc/Hz
Load Impedance:		50		Ω
Input Capacitance:			22	pF
Operating Temperature Range:	-40		+85	°C
Storage Temperature Range:	-45		+90	°C



● Unless otherwise specified, Dimensions are in:  $\frac{IN}{(mm)}$

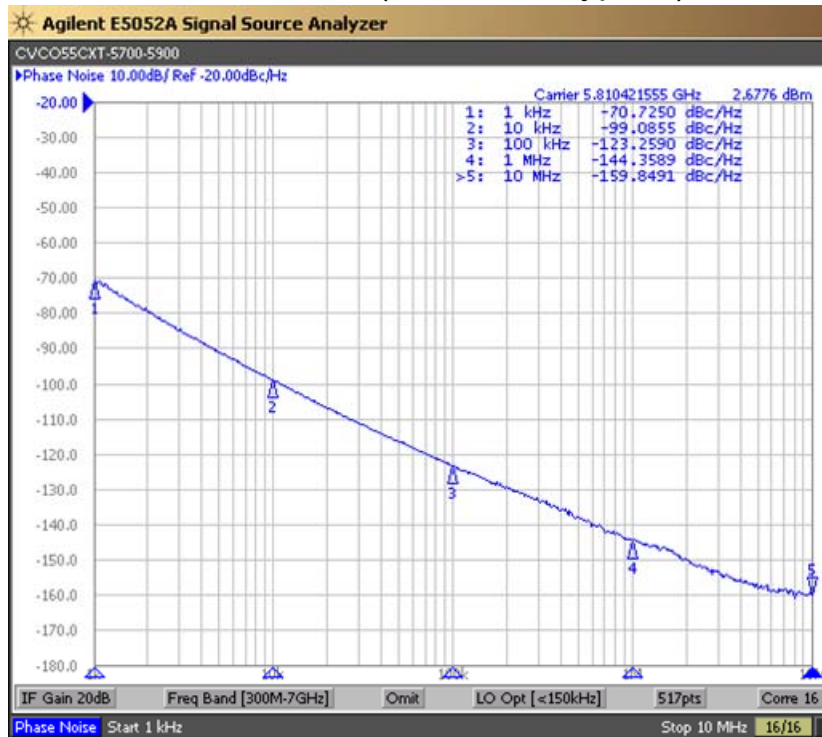
<b>Product Control:</b>			
Crystek Part Number:	CRBV55CXT-5700-5900	Release Date:	02-Jun-2020
Revision Level:	A	Responsible:	C. Vales



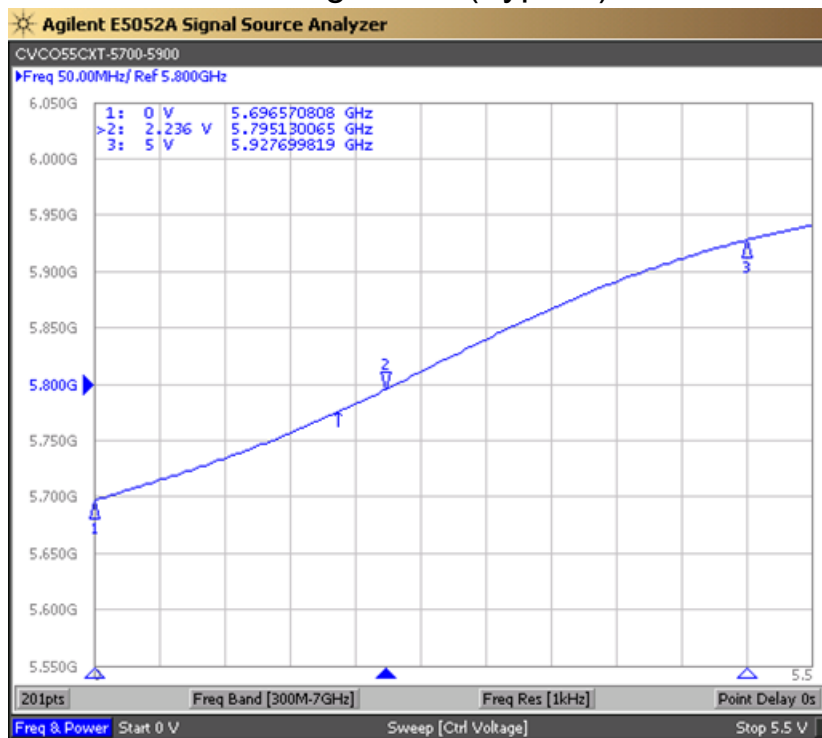
**CRYSTEK**  
**MICROWAVE**  
 A DIVISION OF CRYSTEK CORPORATION

**RedBox CRO**  
 Coaxial Resonator Oscillator  
 Frequency Doubling, 2×Fundamental  
**CRBV55CXT-5700-5900**

Phase Noise (1 Hz BW, Typical)



Tuning Curve (Typical)



**Product Control:**

Crystek Part Number:	CRBV55CXT-5700-5900	Release Date:	02-Jun-2020
Revision Level:	A	Responsible:	C. Vales

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